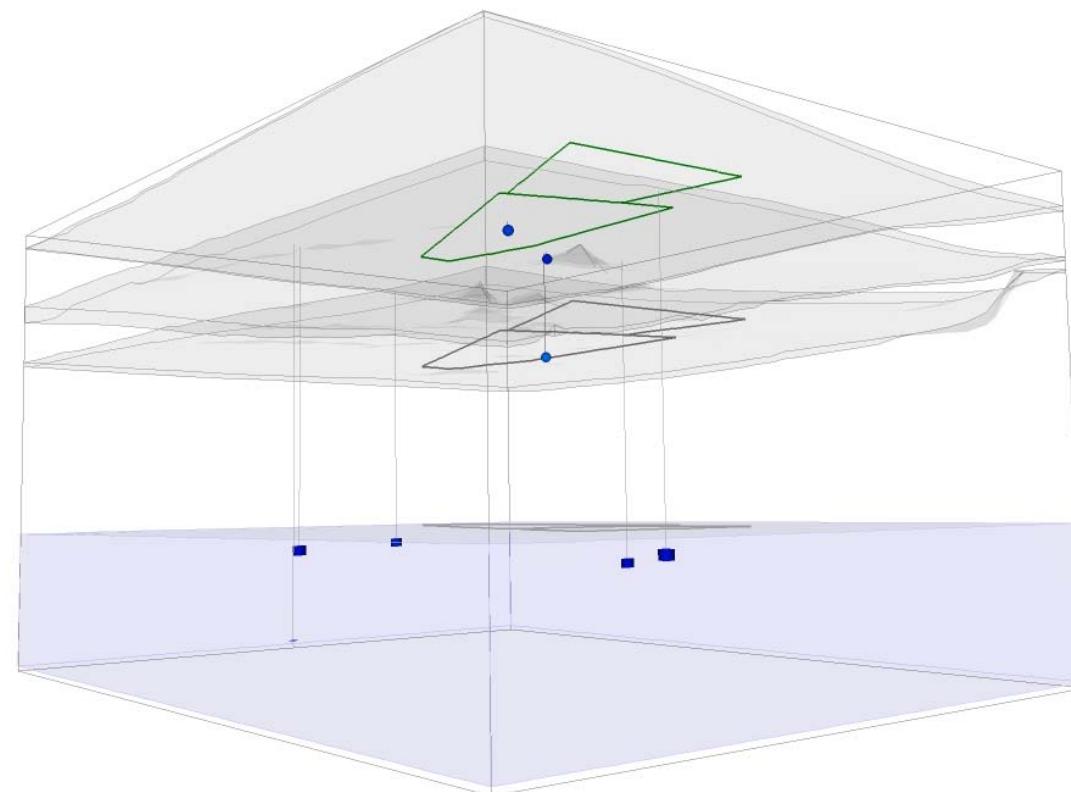
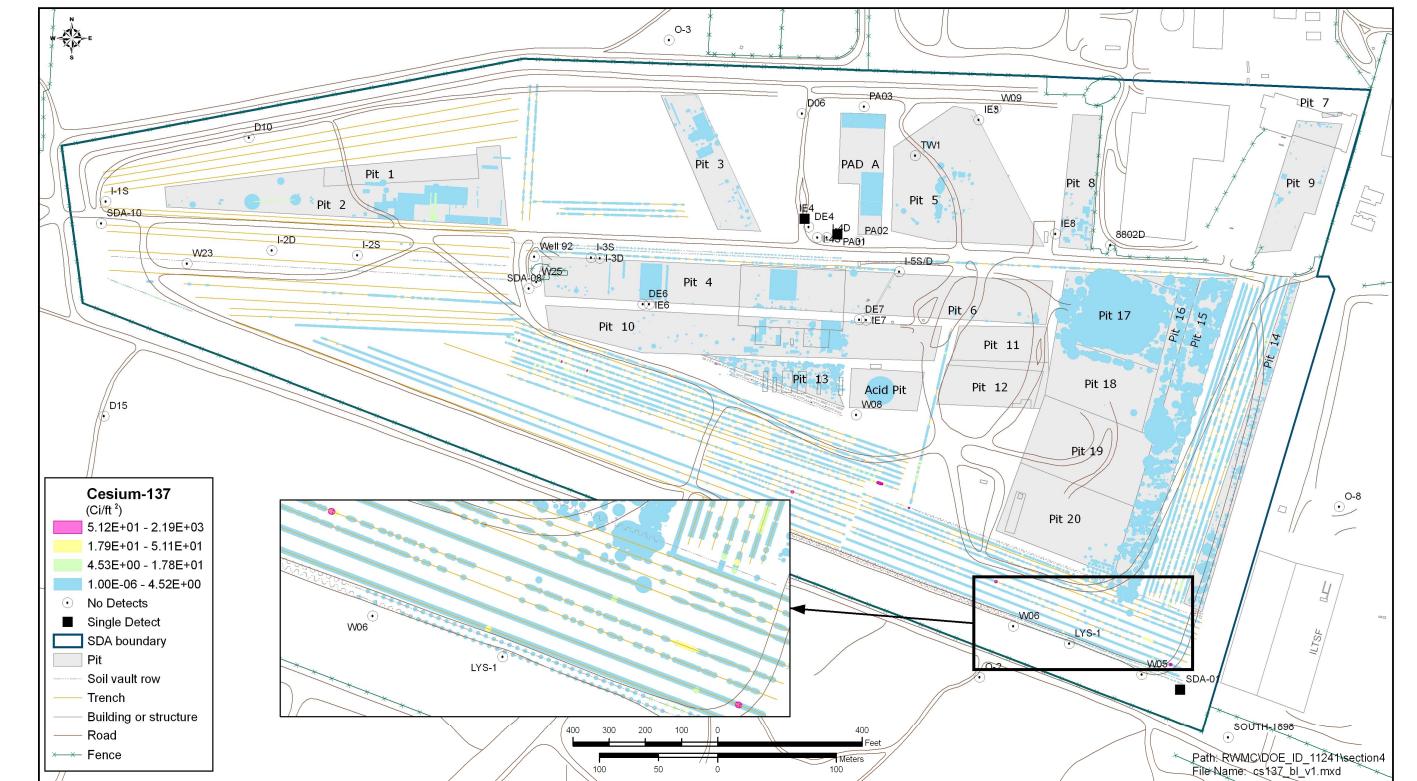
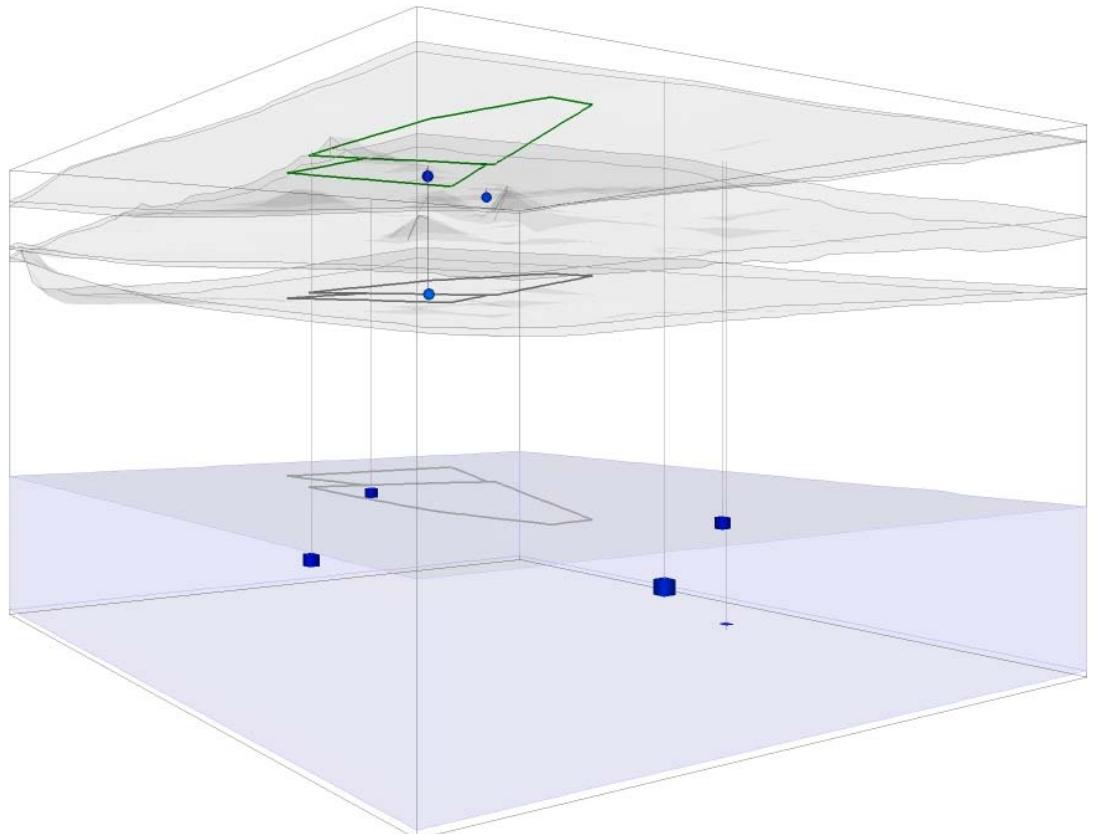


#### Waste streams containing chlorine-36.

Waste Stream Code	Portion in Waste Stream (%)	Inventory (Ci)	Waste Stream Description
TRA-670-1N	53.3	8.83E-01	Beryllium waste
LLW-metals	32.5	5.38E-01	2000 to 2009 activated metal
NRF-MOD-6H	9.5	1.58E-01	Core structural materials (1953 to 1983)
NRF-MOD-6R	2.7	4.49E-02	Core structural materials (1984 to 1997)
Miscellaneous	2.0	3.32E-02	Mostly activated metal
<b>Total CI-36</b>	<b>100.0</b>	<b>1.66E+00</b>	

Figure 4-97. Plan view and three-dimensional view of chlorine-36 detections in vadose zone core, lysimeters, and the aquifer.



#### Waste streams containing cesium-137.

Waste Stream Code	Portion in Waste Stream (%)	Inventory (Ci)	Waste Stream Description
INTEC-MOD-2H	27.9	4.69E+04	Leached Vycor glass
OFF-ATI-1H	13.3	2.23E+04	Irradiated fuel and chemical by-products
TRA-632-2N	9.8	1.64E+04	Hot Cell waste
ANL-MOD-5H	8.3	1.39E+04	General plant waste
NRF-MOD-1H	6.3	1.06E+04	Shippingport solid fuel material
INTEC-MOD-9H	4.8	8.00E+03	General plant waste
TRA-603-9N	3.8	6.43E+03	Fuel materials
ANL	7.8	1.31E+04	Other Materials and Fuels Complex waste (see Table 4-4)
INL	11.8	1.98E+04	Other INL Site-generated waste (see Table 4-4)
Miscellaneous	6.2	1.05E+04	Various waste types
<b>Total Cs-137</b>	<b>100.0</b>	<b>1.68E+05</b>	

Figure 4-98. Plan view and three-dimensional view of cesium-137 detections in vadose zone core, lysimeters, and the aquifer.

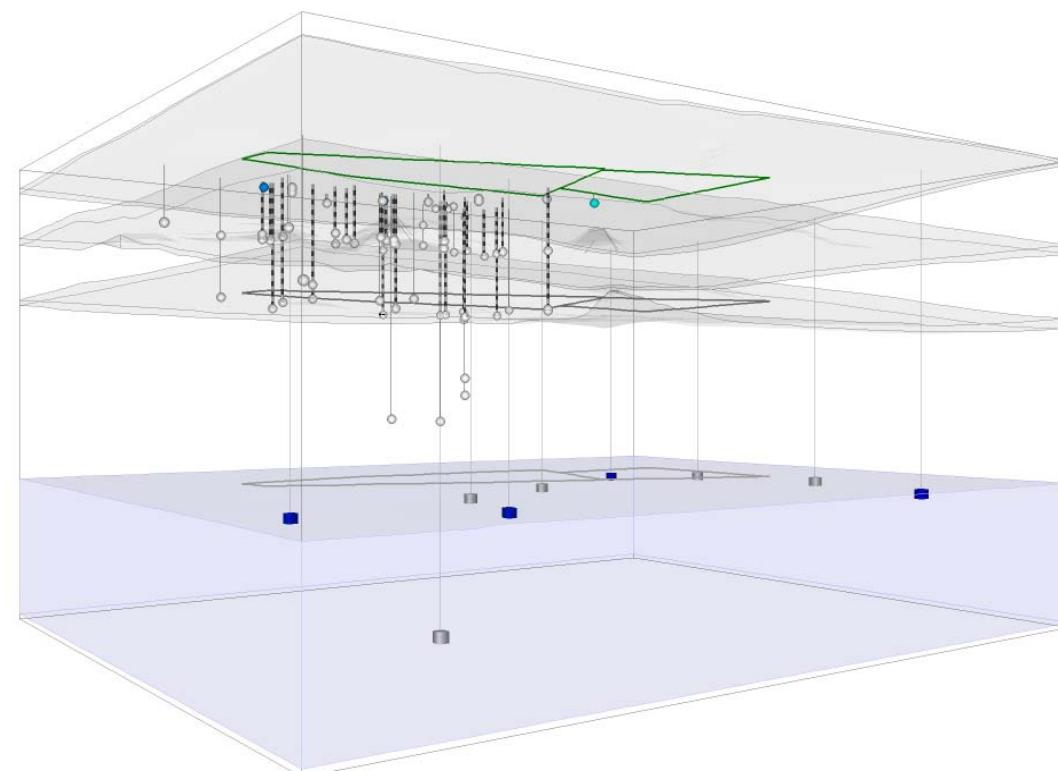
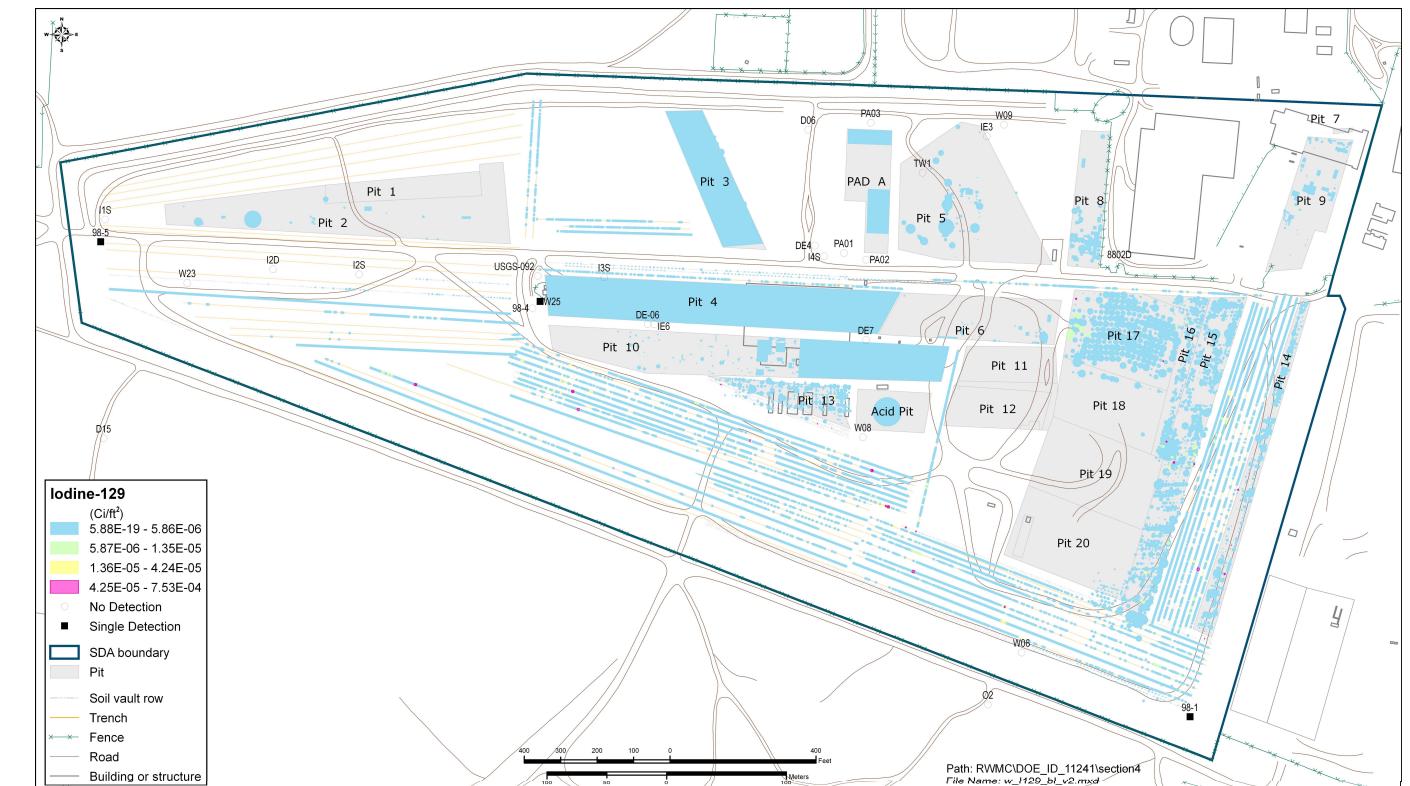
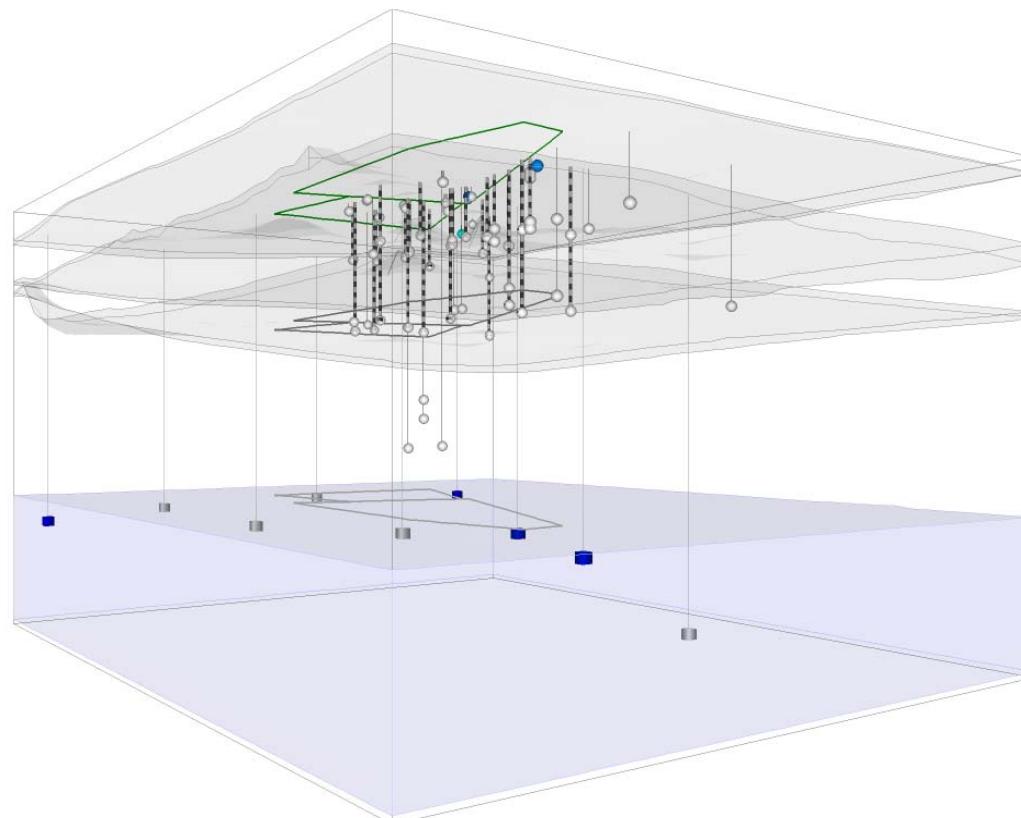


Figure 4-99. Plan view and three-dimensional views of iodine-129 detections in vadose zone core, lysimeters, and the aquifer.

#### Waste streams containing iodine-129.

Waste Stream Code	Portion in Waste Stream (%)	Inventory (Ci)	Waste Stream Description
TRA-603-1N	44.6	8.38E-02	Resin
LLW resins	24.8	4.65E-02	2000 to 2009 resin
INTEC-MOD-2H	9.6	1.80E-02	Leached Vycor glass
INL Site	21.0	3.94E-02	Other INL Site-generated waste (see Table 4-4)
<b>Total I-129</b>	<b>100.0</b>	<b>1.88E-01</b>	